

River Basin Planning Act

(O.C.G.A. 12-5-520 to 525)

92 SB637/AP

Senate Bill 637

By: Senators Johnson of the 47th, Pollard of the 24th, Edge of the 28th and Egan of the 40th.

An Act

To amend Chapter 5 of Title 12 of the Official Code of Georgia Annotated, relating to water resources, so as to define certain terms; to provide for the development of river basin management plans for certain rivers; to provide for the contents of such plans; to provide for the appointment and duties of local advisory committees; to provide for notice and public hearings; to provide for submission to and approval of plans to the Board of Natural Resources; to make certain provisions relative to issuing certain permits; to provide for the application for and use of certain funds; to provide that this Act shall not enlarge the powers of the Department of Natural Resources; to repeal conflicting laws; and for other purposes.

Be It Enacted by the General Assembly of Georgia:

Section 1. Chapter 5 of Title 12 of the Official Code of Georgia Annotated, relating to water resources, is amended by inserting at the end thereof the following:

Article 8

12-5-520. As used in this article, the term:

- (1) "Board" means the Board of Natural Resources.
- (2) "Director" means the director of the Environmental Protection Division of the Department of Natural Resources.

12-5-521. The director shall develop river basin management plans for the following rivers: Alapaha, Altamaha, Canoochee, Chattahoochee, Coosa, Flint, Ochlocknee, Ocmulgee, Oconee, Ogeechee, St. Marys, Satilla, Savannah, Suwanee, Tallapoosa, and Tennessee. The director shall consult the chairmen of the local advisory committees on all aspects of developing the management plans. The director shall begin development of the management plan for the Chattahoochee and Flint river basins by December 31, 1992, and for the Coosa and Oconee river basins by December 31, 1993. Beginning in 1994, the director shall begin development of one management plan per calendar year until all required management plans have been begun. All management plans shall be completed not later than five years after they were begun and shall be made available to the public within 180 days after completion.

12-5-522. The management plans provided by Code Section 12-5-521 shall include, but not be limited to, the following:

- (1) A description of the watershed, including the geographic boundaries, historical, current, and projected uses, hydrology, and a description of water quality, including the current water quality conditions;
- (2) An identification of all governmental units that have jurisdiction over the watershed and its drainage basin;
- (3) An inventory of land uses within the drainage basin and important tributaries including point and nonpoint sources of pollution;
- (4) A description of the goals of the management plan, which may include educating the general public on matters involving the environmental and ecological concerns specific to the river basin, improving water quality and reducing pollution at the source, improving aquatic habitat and reestablishing native species of fish, restoring and protecting wildlife habitat, and providing recreational benefits; and
- (5) A description of the strategies and measures necessary to accomplish the goals of the management plan.

12-5-523. As an initial action in the development of a management plan, the director shall appoint local advisory committees for each river basin to consist of at least seven citizens and a chairman appointed by the director. The local advisory committees shall provide advice and counsel to the director during the development of the management plan. Each committee shall meet at the call of the chairman but not less than once every four months. The chairman and members of the local advisory committees shall serve without compensation or reimbursement of expenses.

12-5-524.

- (a) Upon completion of the penultimate draft of a management plan, the director shall conduct public hearings within the river basin. At least one public hearing shall be held in each river basin named in Code Section 12-5-521. The director shall publish notice of each such public hearing in a newspaper of general circulation in the area announcing the date, time, place, and purpose of the public hearing. A draft of the management plan shall be made available to the public at least 30 days prior to the public hearing. The director shall receive public comment at the public hearing and for a period of at least ten days after the public hearing.
- (b) The division shall evaluate the comments received as a result of the public hearings and shall develop the final draft of the management plan for submission to the board for consideration within 60 days of the public hearing.
- (c) The board shall consider the management plan within 60 days after submission by the director. The department shall publish the management plan adopted by the board and shall make copies available to all interested local governmental officials and citizens within the river basin covered by such management plan.
- (d) Upon the board's adoption of a final river basin management plan, all permitting and other activities conducted by or under the control of the Department of Natural Resources shall be consistent with such plan.
- (e) No provision of this article shall constitute an enlargement of the existing statutory powers of the department.

12-5-525. The director is directed to apply for the maximum amount of available funds pursuant to Sections 106, 314, 319, and 104(b)(2) of Public Law 95-217, the federal Clean Water Act, and any other available source for the development of river basin management plans.”

Section 2. All laws and parts of laws in conflict with this Act are repealed.

Georgia Instream Water Quality Standards For All Waters: Toxic Substances

(Excerpt From Georgia Rules and Regulations for Water Quality Control Chapter 391-3-6-.03 Water Use Classifications and Water Quality Standards)

I Instream concentrations of the following chemical constituents which are considered to be other toxic pollutants of concern in the State of Georgia shall not exceed the criteria indicated below under 7-day, 10-year minimum flow (7Q10) or higher stream flow conditions except within established mixing zones:		(b) Coastal and Marine Estuarine Waters	0.004 µg/l
1. 2,4-Dichlorophenoxyacetic acid (2,4-D)	70 µg/l	4. Chromium (VI)	
2. Methoxychlor*	0.03 µg/l	(a) Freshwater	11 µg/l
3. 2,4,5-Trichlorophenoxy propionic acid (TP Silvex)	50 µg/l	(b) Coastal and Marine Estuarine Waters	50 µg/l
II Instream concentrations of the following chemical constituents listed by the U.S. Environmental Protection Agency as toxic priority pollutants pursuant to Section 307(a)(1) of the Federal Clean Water Act (as amended) shall not exceed criteria indicated below under 7-day, 10-year minimum flow (7Q10) or higher stream flow conditions except within established mixing zones or in accordance with site specific effluent limitations developed in accordance with procedures presented in 391-3-6-.06.		5. Total Chromium	
1. Arsenic		(at hardness levels less than 100 mg/l)	120 µg/l
(a) Freshwater	50 µg/l	(at hardness levels of 100 mg/l to 199 mg/l)	210 µg/l
(b) Coastal and Marine Estuarine Waters	36 µg/l	(at hardness levels greater than or equal to 200 mg/l)	370 µg/l
2. Cadmium		Note: Total hardness expressed as CaCO ₃ .	
(a) Freshwater		6. Copper	
(at hardness levels less than 100 mg/l)	0.7 µg/l*	(a) Freshwater	
(at hardness levels of 100 mg/l to 199 mg/l)	1.1 µg/l*	(at hardness levels less than 100 mg/l)	6.5 µg/l*
(at hardness levels greater than or equal to 200 mg/l)	2.0 µg/l*	(at hardness levels of 100 mg/l to 199 mg/l)	12 µg/l
Note: Total hardness expressed as CaCO ₃ .		(at hardness levels greater than or equal to 200 mg/l)	21 µg/l
(b) Coastal and Marine Waters	9.3 µg/l	Note: Total hardness expressed as CaCO ₃ .	
3. Chlordane*		(b) Coastal and Marine Estuarine Waters	2.9 µg/l*
(a) Freshwater	0.0043 µg/l	7. Cyanide*	
		(a) Freshwater	5.2 µg/l
		(b) Coastal and Marine Estuarine Waters	1.0 µg/l
		8. Dieldrin*	0.0019 µg/l
		9. 4,4'-DDT*	0.001 µg/l
		10. a-Endosulfan*	
		(a) Freshwater	0.056 µg/l

11. b-Endosulfan *	(b) Coastal and Marine Estuarine Waters	0.0087 µg/l	21. PCB-1221	0.014 µg/l
			22. PCB-1232	0.014 µg/l
(a) Freshwater		0.056 µg/l	23. PCB-1242	0.014 µg/l
	(b) Coastal and Marine Estuarine Waters	0.0087 µg/l	24. PCB-1248	0.014 µg/l
12. Endrin *		0.002 µg/l	25. PCB-1254	0.014 µg/l
13. Heptachlor *			26. PCB-1260	0.014 µg/l
	(a) Freshwater	0.0038 µg/l	27. Phenol	300 µg/l
(b) Coastal and Marine Estuarine Waters		0.0036 µg/l	28. Selenium	
			(a) Freshwater	5.0 µg/l
14. Heptachlor Epoxide *			(b) Coastal and Marine Estuarine Waters	71 µg/l
	(a) Freshwater	0.0038 µg/l	29. Silver	**
(b) Coastal and Marine Estuarine Waters		0.0036 µg/l	30. Toxaphene	0.0002 µg/l
			31. Zinc	
15. Lead *	(a) Freshwater		(a) Freshwater	
	(at hardness levels less than 100 mg/l)	1.3 µg/l	(at hardness levels less than 100 mg/l)	60 µg/l
	(at hardness levels of 100 mg/l to 199 mg/l)	3.2 µg/l	(at hardness levels of 100 mg/l to 199 mg/l)	110 µg/l
	(at hardness levels greater than or equal to 200 mg/l)	7.7 µg/l	(at hardness levels greater than or equal to 200 mg/l)	190 µg/l
	Note: Total hardness expressed as CaCO ₃ .		Note: Total hardness expressed as CaCO ₃ .	
(b) Coastal and Marine Estuarine Waters	5.6 µg/l		(b) Coastal and Marine Estuarine Waters	86 µg/l
16. Lindane [Hexachlorocyclohexane (g-BHC-Gamma)]	0.08 µg/l		Notes:	
17. Mercury *	(a) Freshwater	0.012 µg/l	• The in-stream criterion is lower than the EPD laboratory detection limits.	
	(b) Coastal and Marine Estuarine Waters	0.025 µg/l	** Numeric limits are not specified. This pollutant is addressed in 391-3-6-.06.	
18. Nickel			III Instream concentrations of the following chemical constituents listed by the U. S. Environmental Protection Agency as toxic priority pollutants pursuant to Section 307(a)(1) of the Federal Clean Water Act (as amended) shall not exceed criteria indicated below under annual average or higher stream flow conditions:	
(a) Freshwater			1. Acenaphthene	**
(at hardness levels less than 100 mg/l)	88 µg/l		2. Acenaphthylene	**
(at hardness levels of 100 mg/l to 199 mg/l)	160 µg/l		3. Acrolein	780 µg/l
(at hardness levels greater than or equal to 200 mg/l)	280 µg/l		4. Acrylonitrile	0.665 µg/l
Note: Total hardness expressed as CaCO ₃ .			5. Aldrin	0.000136 µg/l
(b) Coastal and Marine Estuarine Waters	8.3 µg/l		6. Anthracene	110000 µg/l
19. Pentachlorophenol *			7. Antimony	4308 µg/l
(a) Freshwater	2.1 µg/l		8. Arsenic	0.14 µg/l
(b) Coastal and Marine Estuarine Waters	7.9 µg/l		9. Benzidine	0.000535 µg/l
20. PCB-1016	0.014 µg/l		10. Benzo(a)Anthracene	0.0311 µg/l
			11. Benzo(a)Pyrene	0.0311 µg/l

12. 3,4-Benzofluoranthene	0.0311 µg/l	54. Endosulfan Sulfate	2.0 µg/l
13. Benzene	71.28 µg/l	55. Ethylbenzene	28718 µg/l
14. Benzo(ghi)Perylene	**	56. Fluoranthene	370 µg/l
15. Benzo(k)Fluoranthene	0.0311 µg/l	57. Fluorene	14000 µg/l
16. Beryllium	**	58. Heptachlor	0.000214 µg/l
17. a-BHC-Alpha	0.0131 µg/l	59. Heptachlor Epoxide	0.00011 µg/l
18. b-BHC-Beta	0.046 µg/l	60. Hexachlorobenzene	0.00077 µg/l
19. Bis(2-Chloroethyl)Ether	1.42 µg/l	61. Hexachlorobutadiene	49.7 µg/l
20. Bis(2-Chloroisopropyl)Ether	170000 µg/l	62. Hexachlorocyclopentadiene	17000 µg/l
21. Bis(2-Ethylhexyl)Phthalate	5.92 µg/l	63. Hexachloroethane	8.85 µg/l
22. Bromoform (Tribromomethane)	360 µg/l	64. Indeno(1,2,3-cd)Pyrene	0.0311 µg/l
23. Carbon Tetrachloride	4.42 µg/l	65. Isophorone	600 µg/l
24. Chlorobenzene	21000 µg/l	66. Lindane [Hexachlorocyclohexane (g-BHC-Gamma)]	0.0625 µg/l
25. Chlorodibromomethane	34 µg/l	67. Methyl Bromide (Bromomethane)	4000 µg/l
26. 2-Chloroethylvinyl Ether	**	68. Methyl Chloride (Chloromethane)	**
27. Chlordane	0.000588 µg/l	69. Methylene Chloride	†
28. Chloroform (Trichloromethane)	470.8 µg/l	70. 2-Methyl-4,6-Dinitrophenol	765 µg/l
29. 2-Chlorophenol	**	71. 3-Methyl-4-Chlorophenol	**
30. Chrysene	0.0311 µg/l	72. Nitrobenzene	1900 µg/l
31. Dibenzo(a,h)Anthracene	0.0311 µg/l	73. N-Nitrosodimethylamine	8.12 µg/l
32. Dichlorobromomethane	22 µg/l	74. N-Nitrosodi-n-Propylamine	**
33. 1,2-Dichloroethane	98.6 µg/l	75. N-Nitrosodiphenylamine	16.2 µg/l
34. 1,1-Dichloroethylene	3.2 µg/l	76. PCB-1016	0.00045 µg/l
35. 1,3-Dichloropropylene (Cis)	1700 µg/l	77. PCB-1221	0.00045 µg/l
36. 1,3-Dichloropropylene (Trans)	1700 µg/l	78. PCB-1232	0.00045 µg/l
37. 2,4-Dichlorophenol	790 µg/l	79. PCB-1242	0.00045 µg/l
38. 1,2-Dichlorobenzene	17000 µg/l	80. PCB-1248	0.00045 µg/l
39. 1,3-Dichlorobenzene	2600 µg/l	81. PCB-1254	0.00045 µg/l
40. 1,4-Dichlorobenzene	2600 µg/l	82. PCB-1260	0.00045 µg/l
41. 3,3'-Dichlorobenzidine	0.077 µg/l	83. Phenanthrene	**
42. 4,4'-DDT	0.00059 µg/l	84. Phenol	4,600,000 µg/l
43. 4,4'-DDD	0.00084 µg/l	84. Pyrene	11,000 µg/l
44. 4,4'-DDE	0.00059 µg/l	85. 1,1,2,2-Tetrachloroethane	10.8 µg/l
45. Dieldrin	0.000144 µg/l	85. Tetrachloroethylene	8.85 µg/l
46. Diethyl Phthalate	120000 µg/l	87. Thallium	48 (6.3) µg/l ‡
47. Dimethyl Phthalate	2900000 µg/l	88. Toluene	200000 µg/l
48. 2,4-Dimethylphenol	**	89. 1,2-Trans-Dichloroethylene	**
49. 2,4-Dinitrophenol	14264 µg/l	90. 1,1,2-Trichloroethane	41.99 µg/l
50. Di-n-Butyl Phthalate	12100 µg/l	91. Trichloroethylene	80.7 µg/l
51. 2,4-Dinitrotoluene	9.1 µg/l	92. 2,4,6-Trichlorophenol	6.5 µg/l
52. 1,2-Diphenylhydrazine	0.54 µg/l	93. 1,2,4-Trichlorobenzene	**
53. Endrin Aldehyde	0.81 µg/l	94. Vinyl Chloride	525 µg/l

Notes:

- ** Numeric limits are not specified. These pollutants are addressed in 391-3-6-.06.
- † EPD has proposed to the Board of Natural Resources changing numeric limits for methylene chloride from unspecified to 1600 µg/l consistent with EPA's National Toxics Rule.
- ‡ EPD has proposed to the Board of Natural Resources changing numeric limits for thallium from 48 to 6.3 µg/l consistent with EPA's National Toxics Rule.
- IV Site specific criteria for the following chemical constituents will be developed on an as-needed basis

through toxic pollutant monitoring efforts at new or existing discharges that are suspected to be a source of the pollutant at levels sufficient to interfere with designated uses:

1. Asbestos
- V Instream concentrations of 2,3,7,8-tetrachlorodibenzo-p-dioxin (TCDD) must not exceed 0.0000012 µg/l under long-term average stream flow conditions.
- (e) Applicable State and Federal requirements and regulations for the discharge of radioactive substances shall be met at all times.

Point Source Control Efforts

Georgia DNR's management has promoted continuing improvement in the quality of return flows from permitted point sources in the basin. During the past twenty-five years, the majority of our municipal wastewater treatment plants were constructed or updated to meet state and/or federally mandated effluent standards. State and federal construction grants and the citizens of local municipalities funded these projects. This massive construction program has been so successful that over 90% of all these facilities in Georgia are currently meeting their effluent limits. We must protect our investments in these facilities and in the State's water quality.

The history of construction improvements for permitted dischargers within the Ogeechee basin is summarized in the following table:

HUC 03060201

1962	Forstmann & Company constructed two waste ponds for equalization.
1963	City of Louisville constructed a waste stabilization pond..
1964	City of Millen constructed a 14 acre oxidation pond #1 and a 2 acre oxidation pond #2.
1967	City of Union Point built an 11 acre stabilization pond.
1968	City of Louisville constructed Plant #2 a 3 acre lagoon system.
1969	Forstmann & Company constructed an aeration basin, \$95,000.
1972	City of Gibson built a 4.5 acre waste stabilization pond and an aerated lagoon for seasonal cannery waste.
1974	City of Union Point upgraded their pond to an activated sludge process..
1974	City of Mayfield constructed a waste water treatment facility.
1976	City of Millen discontinued using oxidation pond #2.
1981	Forstmann & Company a 4.0 MGD activated sludge plant, \$4,200,000.
1982	City of Louisville upgraded their stabilization pond to a 37 acre three cell pond.
1985	City of Union Point upgraded their activated sludge process with new influent structure, new pumps, new aerators, clarifier, aerobic digester, chlorine contact chambers and laboratory building, \$675,000.
1987	City of Millen built the north side pump station and force main, \$106,000.
1988	City of Millen installed diversion curtains, new aerators in pond #1 and a new influent force main, \$386,000.

HUC 03060202

1969	Grinnell Manufacturing Division installed a contact stabilization treatment process package plant, \$48,000.
1974	Bulloch County Schools William James Middle School (Northside) wastewater pond constructed.
1977	City of Richmond Hill built a 0.5 MGD activated sludge plant for \$1,000,000.
1987	City of Richmond Hill expanded treatment capacity to 0.75 MGD for \$500,000.

- 1990 City of Savannah Georgetown WPCP constructed for 2.45 MGD using extended aeration activated sludge process with filters and ultraviolet disinfection.
- 1996 City of Richmond Hill constructed a 1.5 MGD constructed wetlands treatment system for \$4,000,000.

HUC 03060203

- 1960 Fort Stewart Wright Army Airfield Land Application System constructed for 0.008 MGD consisting of a settlement lagoon and irrigation system.
- Mid 60s Fort Stewart Evans Field Package Treatment Plant utilizing extended aeration process installed to treat 0.035 MGD.
- Mid 60s Fort Stewart NCO Academy Package Treatment Plant utilizing extended aeration process installed to treat 0.035 MGD.
- 1978 Fort Stewart Camp Oliver Land Application System consisting of settlement lagoons and irrigation system built to treat 0.06 MGD.
- 1978 Cooper Industries installed a physical/chemical metals precipitation with filtration treatment process.
- Early 80s Fort Stewart Industrial Wastewater Treatment Plant built to treat 1.5 MGD with: grit chamber, oil separation, equalization tank and sand filters.
- 1990 Cooper Industries closed their surface treatment ponds and connected to the City of Statesboro. This upgrade included an atmospheric evaporation system to complete a closed loop, eliminating wastewater discharge from their electroplating operation for \$1,500,000.
- 1994 Cooper Industries built a larger clarifier and sludge press and eliminated their filtration system for \$60,000.
- 1996 Cooper Industries announced that the Statesboro Plant will be closed second quarter of 2000 with operations moved to other existing Cooper facilities.

HUC 03060204

- 1968 Interstate Paper Riceboro Mill constructed with an anaerobic treatment process.
- 1969 Savannah Yacht Club built an activated sludge treatment system to treat 0.0033 MGD.
- 1970 Nassau Woods activated sludge package plant for 0.12 MGD constructed.
- 1972 Skidaway Island Utilities built a 1.25 MGD land application treatment system using an aerated lagoon for pretreatment. Static screen added for additional pretreatment.
- 1972 City of Savannah Georgetown WPCP spray irrigation system constructed to treat 0.35 MGD.
- 1990 City of Savannah Georgetown WPCP spray irrigation system discontinued. Facility expanded to 2.45 MGD and upgraded to extended aeration activated sludge process with sand filters and ultraviolet disinfection. Discharge now to main stem of Ogeechee River, HUC 03060202.
- 1992 Gateway WPCP closed. Flow diverted to Savannah Georgetown WPCP HUC 03060202.

NPDES Permits for Discharges in the Ogeechee River Basin

FACILITY NAME	NPDES #	PERMITTED FLOW (MGD)	MAJOR	COUNTY	RECEIVING STREAM
BRYAN FISHERMANS COOPERATIVE	GA0033014			BRYAN	KILKENNY CR
CHEMTALL INCORPORATED	GA0046582			LIBERTY	RICEBORO CR
COLLINS POND	GA0021091	0.060		TATTNALL	CYPRESS FLAT CR TRIB
COOPER HAND TOOLS	GA0035327			BULLOCH	FREER BRANCH
CRAWFORDVILLE WPCP	GA0020915	0.050		TALIAFERRO	HUBERT BR
DAVIDSON MINERAL PROP HANCOCK	GA0046493			HANCOCK	UNNAMED TRIB/LITTLE OGEECHEE RV
DAYS INN/CMA	GA0029874	0.030		MCINTOSH	BELLVILLE RV.
DNR A.H. STEPHENS STATE PARK	GA0048402	0.006		TALIAFERRO	BUNCOMBE CR TRIB TO LICK CR
DPS GA STATE PATROL #42	GA0035530	0.002		CHATHAM	SALT CR TRIB TO LITTLE OGEECHEE
FORSTMANN & COMPANY LOUISVILLE	GA0003778		Y	JEFFERSON	OGEECHEE RV
GARDEN ACRES ESTATES	GA0049506	0.050		CHATHAM	HARDIN CL-SALT CR
GIBSON WPCP	GA0021849	0.210		GLASCOCK	ROCKY COMFORT CR
GRINNELL	GA0003263			BULLOCH	WILSON BR
HANCOCK CO MAYFIELD	GA0021873	0.060		HANCOCK	FULSOME CR
HINESVILLE/FORT STEWART	GA0047180	7.150	Y	LIBERTY	CANOOCHEE CR TRIB
INTERSTATE PAPER CORP	GA0003590		Y	LIBERTY	RICEBORO CR

FACILITY NAME	NPDES #	PERMITTED FLOW (MGD)	MAJOR	COUNTY	RECEIVING STREAM
J M HUBER CORP WRENS	GA0002542			JEFFERSON	REEDY CR/BRIER CR
KING FINISHING COMPANY	GA0003280		Y	SCREVEN	JACKSON BR
LARCHMONT ESTATES	GA0034819	0.200		CHATHAM	HARDIN CANAL
LOUISVILLE POND #1	GA0021580	0.560		JEFFERSON	ROCKY COMFORT CR
LOUISVILLE POND #2	GA0032301	0.062		JEFFERSON	ROCKY COMFORT CR
MARTIN MARIETTA WARRENTON	GA0034576			WARREN	OGEECHEE RV
MIDVILLE	GA0020028	0.167		BURKE	OGEECHEE R
MIDWAY HEALTH CARE CENTER	GA0022381	0.035		LIBERTY	JONES CR
MILLEN	GA0031879	0.457		JENKINS	BUCKHEAD CR
NASSAU WOODS MHP	GA0030163	0.070		CHATHAM	HORSESHOE CANAL
NEWINGTON POND	GA0050202	0.045		SCREVEN	OGEECHEE CR
NORTHSIDE JR HIGH SCHOOL	GA0034061	0.019		BULLOCH	BELCHER BRANCH
PEMBROKE POND	GA0033588	0.150		BRYAN	UNNAMED TRIB TO MILL CR TRIB
PHILLIPS SEAFOOD	GA0037320	0.003		MCINTOSH	SAPELO RV
RICHMOND HILL ELBOW SWAMP	GA0037648	1.500	Y	BRYAN	ELBOW SWAMP TO STERLING CR
RICHMOND HILL WPCP	GA0024759	0.850		BRYAN	OGEECHEE RV
SAVANNAH GEORGETOWN	GA0046418	2.450	Y	CHATHAM	OGEECHEE RIVER
SAVANNAH PINES MHP	GA0022250	0.070		CHATHAM	HORSESHOE CANAL
STATESBORO WPCP	GA0023108	5.000	Y	BULLOCH	LITTLE LOTS CR
THIELE KAOLIN WRENS	GA0047317			GLASCOCK	REEDY CR
TWIN CITY WPCP	GA0048666	0.200		EMANUEL	THICK CR-CANOOCHEE CR
UNION POINT WPCP	GA0025429	0.450		GREENE	NORTH FORK OGEECHEE RV
UNION POINT WTP	GAWP10000			GREENE	NORTH FORK OGEECHEE RV
USA FT STEWART	GA0004308	5.000		LIBERTY	CANOOCHEE RV
VULCAN MAT SILOAM	GA0026743			GREENE	OGEECHEE RV

FACILITY NAME	NPDES #	PERMITTED FLOW (MGD)	MAJOR	COUNTY	RECEIVING STREAM
WADLEY POND	GA0021024	0.215		JEFFERSON	WILLIAMSON SWAMP CR
WARRENTON NORTH	GA0032778	0.045		WARREN	GOLDEN CR TRIB
WARRENTON SOUTH	GA0032786	0.295		WARREN	ROCKY COMFORT CR
WARRENTON WTP	GAWP10000			WARREN	POND TO GOLDEN CR

Support of Designated Uses for Rivers, Streams, and Lakes in the Ogeechee River Basin, 1998-1999

Rivers/Streams Supporting Designated Uses

BASIN/STREAM (Data Source)	LOCATION	WATER USE CLASSIFICATION	MILES
OGEECHEE RIVER BASIN			
HUC 03060201			
Big Creek (1)	Kelley's Pond to Ogeechee River, Louisville (Jefferson Co.)	Fishing	5
Ogeechee River (1)	Long Creek to Hwy. 102 near Jewell (Hancock/Washington Co.)	Fishing	12
Rocky Comfort Creek (1)	Duhart Creek to Ogeechee River, Louisville (Jefferson Co.)	Fishing	6
HUC 03060202			
Mill Creek (1)	Newsome Branch to Ogeechee River near Statesboro (Bulloch Co.)	Fishing	16
HUC 03060203			
Canoochee Creek (1)	Upstream SR 119, Ft. Stewart (Liberty Co.)	Fishing	7
Little Lotts Creek (1)	Downstream South Main Street, Statesboro (Bulloch Co.)	Fishing	1
Mill Creek (1)	Upstream Taylors Creek, Fort Stewart (Liberty Co.)	Fishing	2
Taylors Creek (1)	Upstream WPCP Drainage Canal, Fort Stewart (Liberty Co.)	Fishing	3
Tributary to Taylors Creek (1)	Drainage Canal to Taylors Creek, Fort Stewart (Liberty Co.)	Fishing	2
HUC 03060204			
North Newport River (1)	Lower Carrs Neck Creek to Timmons River (Liberty Co.)	Fishing	4

Rivers/Streams Partially Supporting Designated Uses

BASIN/STREAM (Data Source)	LOCATION	WATER USE CLASSIFICATION	CRITERION VIOLATED	EVALUATED CAUSE(S)	ACTIONS TO ALLEVIATE	MILES	305(b)	303(d)	Priority
OGEECHEE RIVER BASIN									
HUC 03060201									
Little Ogeechee River (1)	Two Mile Creek to Hamburg Mill Pond near Culverton (Hancock/Washington Co.)	Fishing	FC	NP	EPD will address nonpoint sources through a watershed protection strategy.	9	X	X	3
Ogeechee River (1)	Powell Creek to Beaverdam Creek near Powelton (Hancock Co.)	Fishing	FC	NP	EPD will address nonpoint sources through a watershed protection strategy.	5	X	X	3
Ogeechee River (1)	Hwy 102 to US Hwy 301 (Washington, Jefferson, Jenkins, Emanuel, & Bulloch Co.)	Fishing	FCG	NP	EPD will address nonpoint sources through a watershed protection strategy. Note: Fish Consumption Guidelines due to mercury in fish tissue.	98	X	X	3
Rocky Comfort Creek (1)	Joes Creek to Ivey Branch near Edgehill (Glascock/Jefferson Co.)	Fishing	FC	NP	EPD will address nonpoint sources through a watershed protection strategy.	10	X	X	3
Short Creek (1)	Headwaters to confluence with Long Creek (Warren Co.)	Fishing	FCG	NP	EPD will address nonpoint sources through a watershed protection strategy. Note: Fish Consumption Guidelines due to mercury in fish tissue.	4	X	X	3
HUC 03060202									
Black Creek (1)	Ash Branch to Mill Creek near Blitchton (Bulloch/Bryan Co.)	Fishing	DO,FC	NP	EPD will address nonpoint sources through a watershed protection strategy.	11	X	X	2
Jackson Branch (1)	Upstream King Finishing Company from SR17 to Co. Rd. 39, Dover (Screven Co.)	Fishing	FC	NP	EPD will address nonpoint sources through a watershed protection strategy.	2	X	3	3
Ogeechee Creek (1)	Rd. S2178 to Ogeechee River near Oliver (Screven Co.)	Fishing	DO	NP	EPD will address nonpoint sources through a watershed protection strategy.	7	X	X	2
Ogeechee River (10)	U.S. Hwy. 301 to Black Creek (Bulloch/Bryan Co.)	Fishing	FCG	NP	EPD will address nonpoint sources through a watershed protection strategy. Fish consumption guidance due in part to natural source of mercury.	59	X	X	3

BASIN/STREAM (Data Source)	LOCATION	WATER USE CLASSIFICATION	CRITERION VIOLATED	EVALUATED CAUSE(S)	ACTIONS TO ALLEVIATE	MILES	305(b)	303(d)	Priority
Ogeechee River (1)	Black Creek to Richmond Hill (Bryan/Effingham/Chatham Co.)	Fishing	FCG	NP	EPD will address nonpoint sources through a watershed protection strategy. Note: Fish Consumption Guidelines due to mercury in fish tissue.	21	X	X	3
HUC 03060203									
Bull Creek (1)	Strickland Pond to Canoochee River near Daisy (Evans Co.)	Fishing	DO	UR	EPD will address nonpoint source (urban runoff) through a watershed protection strategy.	6	X	X	2
Canoochee Creek (1)	Taylor's Creek to Canoochee River, Ft. Stewart (Liberty Co.)	Fishing	DO	M	City currently in compliance with permit limits. Plant upgrade completed 6/98.	4	X	X	2
Canoochee River (1)	Ga. Hwy. 192 to Fifteen Mile Creek near Metter (Emanuel/Candler Co.)	Fishing	DO,FC,FCG	UR	EPD will address nonpoint source (urban runoff) through a watershed protection strategy. Note: Fish Consumption Guidelines due to mercury in fish tissue.	21	X	X	2
Canoochee River (1)	Fifteen Mile Creek to Cedar Cr. (Candler/Evans Co.)	Fishing	FCG	NP	EPD will address nonpoint sources through a watershed protection strategy. Note: Fish Consumption Guidelines due to mercury in fish tissue.	14	X	X	3
Canoochee River (1,10)	Cedar Creek to Lotts Creek (Evans Co.)	Fishing	FCG	NP	EPD will address nonpoint sources through a watershed protection strategy. Note: Fish Consumption Guidelines due to mercury in fish tissue.	13	X	X	3
Canoochee River (1)	Lotts Cr. to confluence with Ogeechee River (Liberty/Bryan Co.)	Fishing	FCG	NP	EPD will address nonpoint sources through a watershed protection strategy. Fish consumption guidance due in part to natural source of mercury.	56	X	X	3
Lotts Creek (1)	U.S. Hwy. 301 to Little Lotts Creek near Register (Bulloch Co.)	Fishing	DO	NP	EPD will address nonpoint sources through a watershed protection strategy.	8	X	X	2
Taylor's Creek (1)	Downstream WPCP Discharge to Drainage Canal, Fort Stewart	Fishing	DO	M	City currently in compliance with permit limits. Plant upgrade completed 6/98.	4	X	3	2

BASIN/STREAM (Data Source)	LOCATION	WATER USE CLASSIFICATION	CRITERION VIOLATED	EVALUATED CAUSE(S)	ACTIONS TO ALLEVIATE	MILES	305(b)	303(d)	Priority
HUC 03060204									
Peacock Creek (1)	Hwy. 144 to North Newport River near McIntosh (Liberty Co.)	Fishing	DO,FC	UR	EPD will address nonpoint source (urban runoff) through a watershed protection strategy.	17	X	X	2

*Indicates minimal data set.

Criterion Violated Codes (Column 4)

Bio	=	Biota Impacted
Cd	=	Cadmium
Cu	=	Copper
DO	=	Dissolved Oxygen
FC	=	Fecal Coliform Bacteria
FCG	=	Fish Consumption Guidelines
Hg	=	Mercury
Pb	=	Lead
Temp	=	Temperature
Tox	=	Toxicity Indicated
Zn	=	Zinc
*	=	Minimal Database

Evaluated Cause Codes (Column 5)

CSO	=	Combined Sewer Overflow
I1	=	Industrial Facility
M	=	Municipal Facility
NP	=	Nonpoint Sources/ Unknown Sources
UR	=	Urban Runoff/Urban Effects

Rivers/Streams Not Supporting Designated Uses

BASIN/STREAM (Data Source)	LOCATION	WATER USE CLASSIFICATION	CRITERION VIOLATED	POTENTIAL CAUSE(S)	ACTIONS TO ALLEVIATE	MILES	305(b)	303(d)	Priority
OGEECHEE RIVER BASIN									
HUC 03060201									
Buckhead Creek (1)	Downstream Spring Mill Branch to Ogeechee River, Millen (Jenkins Co.)	Fishing	FC	UR	EPD will address nonpoint source (urban runoff) through a watershed protection strategy.	4	X	X	3
N.Fork Ogeechee River (1)	Hwy. 77 to Ogeechee River near Crawfordville (Greene/Taliaferro Co.)	Fishing	FC	NP	EPD will address nonpoint sources through a watershed protection strategy.	13	X	X	3
Williamson Swamp Creek (1)	Hwy. 24 to Limestone Creek, Davisboro (Washington/Jefferson Co.)	Fishing	FC	NP	EPD will address nonpoint sources through a watershed protection strategy.	12	X	X	3
Williamson Swamp Creek (1)	Mill Creek to Ogeechee River, Wadley (Jefferson Co.)	Fishing	FC	NP	EPD will address nonpoint sources through a watershed protection strategy.	9	X	X	3
HUC 03060202									
Horse Creek (1)	Little Horse Creek to Ogeechee River near Rocky Ford (Screven Co.)	Fishing	DO,FC	NP	EPD will address nonpoint sources through a watershed protection strategy.	5	X	X	2
Jackson Branch (1)	Downstream King Finishing Company from SR17 to Ogeechee River, Dover (Screven Co.)	Fishing	FC	NP	EPD will address nonpoint sources through a watershed protection strategy.	1	X	X	3
Nevills Creek (1)	Bay Gull Creek to Ogeechee River near Rocky Ford (Bulloch Co.)	Fishing	DO	NP	EPD will address nonpoint sources through a watershed protection strategy.	3	X	X	2
Sculls Creek (1)	Richardson Creek to Ogeechee River near Scarboro (Jenkins Co.)	Fishing	DO,FC	NP	EPD will address nonpoint sources through a watershed protection strategy.	4	X	X	2
HUC 03060203									
Cedar Creek (1)	Water Hole Creek to Canoochee River, Claxton (Evans Co.)	Fishing	DO,FC	UR	EPD will address nonpoint source (urban runoff) through a watershed protection strategy.	6	X	X	2

BASIN/STREAM (Data Source)	LOCATION	WATER USE CLASSIFICATION	CRITERION VIOLATED	POTENTIAL CAUSE(S)	ACTIONS TO ALLEVIATE	MILES	305(b)	303(d)	Priority
Fifteenmile Creek (1)	Stocking Head Branch to Canoochee River near Metter (Candler Co.)	Fishing	DO,FC	NP	EPD will address nonpoint sources through a watershed protection strategy.	6	X	X	2
Tenmile Creek (1)	Upstream Canoochee River, Excelsior (Candler Co.)	Fishing	DO,FC	UR	EPD will address nonpoint source (urban runoff) through a watershed protection strategy.	3	X	X	2
HUC 03060204									
Casey Canal (1)	Head of Canal to DeRenne Ave., Savannah (Chatham Co.)	Fishing	DO,FC	UR	Urban runoff is being addressed in the EPD Stormwater Management Strategy. An areawide stormwater permit was issued to the City of Savannah on 4/20/95.	3	X	X	2
Casey Canal (1)	DeRenne Ave. to Montgomery Crossroad, Savannah (Chatham Co.)	Fishing	DO,FC,FCG	UR	Urban runoff is being addressed in the EPD Stormwater Management Strategy. An areawide stormwater permit was issued to the City of Savannah on 4/20/95. Note: FCG is a partial support and is due to levels of Dieldrin in the fish tissue of striped mullet. Dieldrin is a pesticide that has been restricted from use in the U.S.	3	X	X	2
Hayners Creek (known upstream as Casey Canal) (1)	Casey Canal (Montgomery Crossroad) to Vernon River (Chatham Co.)	Fishing	DO,FC,FCG	UR	Urban runoff is being addressed in the EPD Stormwater Management Strategy. An areawide stormwater permit was issued to Chatham County on 4/20/95. Note: FCG is a partial support and is due to levels of Dieldrin in the fish tissue of striped mullet. Dieldrin is a pesticide that has been restricted from use in the U.S..	2	X	X	2
Little Ogeechee River (1)	Little Ogeechee Pond to below US Hwy. 17 near Burroughs (Chatham Co.)	Fishing	FC	UR	Urban runoff is being addressed in the EPD Stormwater Management Strategy. An areawide stormwater permit was issued to Chatham County on 4/20/95.	6	X	X	3
S. Newport River (1)	Upstream US Hwy. 17, South Newport (Liberty/McIntosh Co.)	Fishing	FC,Se	NP	EPD will address nonpoint sources through a watershed protection strategy.	3	X	X	2

*Indicates minimal data set.

Criterion Violated Codes (Column 4)

Bio	=	Biota Impacted
Cd	=	Cadmium
Cu	=	Copper
DO	=	Dissolved Oxygen
FC	=	Fecal Coliform Bacteria
FCG	=	Fish Consumption Guidelines
Hg	=	Mercury
Pb	=	Lead
Se	=	Selenium
Temp	=	Temperature
Tox	=	Toxicity Indicated
Zn	=	Zinc

Potential Cause Codes (Column 5)

CSO	=	Combined Sewer Overflow
I1	=	Industrial Facility
M	=	Municipal Facility
NP	=	Nonpoint Sources/ Unknown Sources
UR	=	Urban Runoff/Urban Effects

Estuarine Waters Not Fully Supporting Designated Uses

ESTUARY NAME (Data Source)	LOCATION	WATER USE CLASSIFICATION	USE SUPPORT CATEGORY	CRITERION VIOLATED	POTENTIAL CAUSE(S)	SQUARE MILES AFFECTED	305(b)	303(d)	Priority
Doboy Sound (5)	Doboy Sound	Fishing	NS	SB	M,MA,NP	17	X	NA	NA
Medway River (5)	Sunbury	Fishing	NS	SB	NP	6	X	NA	NA
Ossabaw Estuary (5)	Ossabaw	Fishing	NS	SB	NP	45	X	NA	NA
Sapelo Sound (5)	Sapelo Sound	Fishing	NS	SB	MA,NP	24	X	NA	NA
St. Catherines Sound (5)	St. Catherines Sound	Fishing	NS	SB	MA,NP	25	X	NA	NA
Wassaw Sound (5)	Wassaw Sound	Fishing	NS	SB	NP,I1,UR	6	X	NA	NA

Use Support Status (Column 4)

S = Supporting
 PS = Partially Supporting
 NS = Not Supporting

Criterion Violated Codes (Column 5)

Bio = Biota Impacted
 Cd = Cadmium
 Cu = Copper
 DO = Dissolved Oxygen
 FC = Fecal Coliform Bacteria
 FCG = Fish Consumption Guidelines
 Hg = Mercury
 Pb = Lead
 SB = Shellfish Ban
 Temp = Temperature
 Tox = Toxicity Indicated
 Zn = Zinc
 * = Minimal Database

Potential Cause Codes (Column 6)

CSO = Combined Sewer Overflow
 I1 = Industrial Facility
 M = Municipal Facility
 MA = Marina
 NP = Nonpoint Sources/ Unknown Sources
 UR = Urban Runoff/Urban Effects

Lakes/Reservoirs Not Fully Supporting Designated Uses

LAKE NAME	LOCATION	SUPPORT CATEGORY	WATER USE CLASSIFICATION	CRITERION VIOLATED	POTENTIAL CAUSE(S)	ACRES AFFECTED	305(b)	303(d)	Priority
Evans County PFA (1)	Evans County Public Fishing Area	PS	Fishing	FCG	NP	122	X	X	3

*Indicates minimal data set.

Use Support Status (Column 3)

S = Supporting
 PS = Partially Supporting
 NS = Not Supporting

Criterion Violated Codes (Column 5)

Bio = Biota Impacted
 Cd = Cadmium
 Cu = Copper
 DO = Dissolved Oxygen
 FC = Fecal Coliform Bacteria
 FCG = Fish Consumption Guidelines
 Hg = Mercury
 Pb = Lead
 Temp = Temperature
 Tox = Toxicity Indicated
 Zn = Zinc
 * = Minimal Database

Potential Cause Codes (Column 6)

CSO = Combined Sewer Overflow
 I1 = Industrial Facility
 M = Municipal Facility
 NP = Nonpoint Sources/ Unknown Sources
 UR = Urban Runoff/Urban Effects

Ogeechee River Basin Contact Information

Department of Community Affairs 60 Executive Park South, N.E. Atlanta, GA 30329 Phone: 404.679.4940 www.dca.state.ga.us	Coastal Georgia RDC PO Box 1917 Brunswick, GA 31521 Phone: 912.264.7363 www.dca.state.ga.us/publications/cg.html
Georgia Mountains RDC PO Box 1720 Gainesville, GA 30503 Phone: 770.538.2626 www.dca.state.ga.us/publications/gm.html	Northeast Georgia RDC 305 Research Drive Athens, GA 30605-2795 Phone: 706.369.5650 www.dca.state.ga.us/publications/neg.html
Heart of Georgia Altamaha RDC PO Drawer 1260 Baxley, GA 31515 Phone: 912.367.3648 www.dca.state.ga.us/publications/hga.html	Central Savannah River RDC PO Box 2800 Augusta, GA 30914-2800 Phone: 706.210.2000 www.dca.state.ga.us/publications/csra.html
Georgia Soil and Water Conservation Commission Region 2 PO Box 8024 Athens, GA 30603 Phone: 706.542.9233 www.gaswcc.org	Georgia Forestry Commission 5645 Riggins Mill Road Dry Branch, GA 31020 Phone: 478.751.3500 www.GFC.State.Ga.US/
DNR Wildlife Resources Division 2070 U.S. Highway 278, S.E. Social Circle, GA 30279 www.dnr.state.ga.us/dnr/wild	DNR Coastal Resources Division One Conservation Way Brunswick, GA 31520-8687 Phone: 912.264.7218 www.dnr.state.ga.us/dnr/coastal
DNR-EPD Air Protection Branch 4244 International Parkway, Suite 120 Atlanta, GA 30354 Phone: 404.363.7000	DNR-EPD Geological Survey Branch 19 Martin Luther King Jr. Drive Atlanta, GA 30334 Phone: 404.656.3214
DNR-EPD Hazardous Waste Management Branch 205 Butler Street SE, Suite 1154 East Tower Atlanta, GA 30334 Phone: 404.656.7802	DNR-EPD Land Protection Branch 4244 International Parkway, Suite 104 Atlanta, GA 30354 Phone: 404.362.2537
DNR-EPD Program Coordination Branch 205 Butler Street, SE, Suite 1152 East Tower Atlanta, GA 30334 Phone: 404.656.4713	DNR-EPD Water Protection Branch 4220 International Parkway, Suite 101 Atlanta, GA 30354 Phone: 404.675.6232
DNR-EPD Water Resources Branch 205 Butler Street SE, Suite 1058 East Tower Atlanta, GA 30334 Phone: 404.656.6328	DNR-EPD Brunswick District Office One Conservation Way Brunswick, GA 31520-8687 Phone: 912.264.7283

<p>United States Environmental Protection Agency (EPA) Region 4, Water Management Division Atlanta Federal Center 61 Forsyth Street, SW Atlanta, GA 30303-3104 Phone: 404.562.9345 www.epa.gov/region4/</p>	<p>US Army Corps of Engineers, Savannah District PO Box 889 Savannah, GA 31402-0889 Phone: 912.652.5279 www.sas.usace.army.mil</p>
<p>US Army Corps of Engineers, Mobile District PO Box 2288 Mobile, AL 36628-0001 Phone: 334.690.2505 www.sas.usace.army.mil</p>	<p>United States Geological Survey Water Resources Division Peachtree Business Center, Suite 130 3039 Amwiler Road Atlanta, GA 30360-2824 Phone: 770.903.9100 www.usgs.gov</p>
<p>United States Department of Agriculture Natural Resources Conservation Service Stephens Federal Building 355 East Hancock Avenue Athens, GA 30601-2769 Phone: 706.546.2272 www.ga.nrcs.usda.gov/ga/gaadm/dirso.htm</p>	